User's manual of GPS personal tracker V3.0

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Thank you for purchasing GPS personal tracker developed and manufactured by us. Hope it will be a good assistant of your safety management. This manual is an introduction which can help you with setting up and login on the website, please read it thoroughly before using the device.

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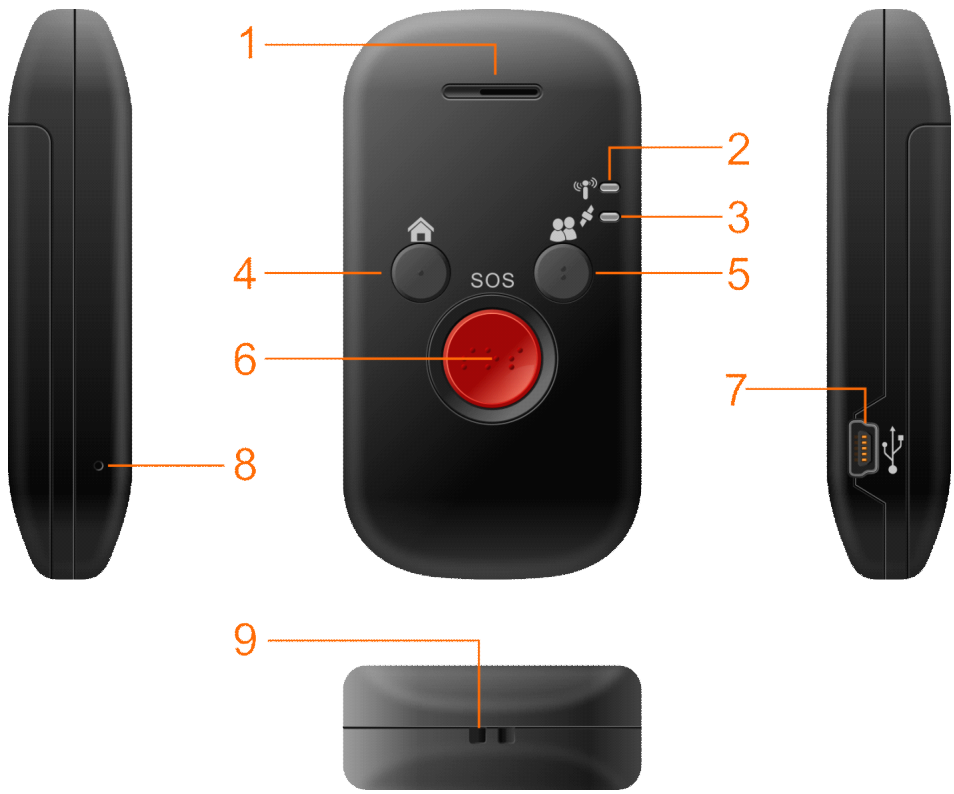
I、Product Introduction

GPS personal tracker is a portable electronic device for remote positioning and monitoring mainly applicable for personal use. It combined GPS and GSM/GPRS wireless communication network， can provide you with accurate positioning and tracking of the subject under monitoring. Users can monitor the subject by sending SMS or GPRS to get location SMS feedback and can also track the subject on the web platform. It supports GEO fence, whenever the subject get into or out of the appointed area it will send alert by SMS to the preset cell phone. The SOS key and other quick-dial number make it very convenient and simple calling for help under any emergencies. It is applicable for the protection of elderly people, kids also for searching and rescuing.

II、Product appearance



1. Speaker　　2. GSM LED　　3.GPS LED

4. Emergency Number 2# 5. Power/Emergency Number 3#/Disconnect key

6. SOS key/answer key 7. Mini USB/Charger port 8. MIC

9. Thread port

III、Specifications

●GPS positioning, more accurate than GSM.

●GSM/SMS communication and GPRS TCP/UDP connection

●Support 4-band, global wide use, GSM 850/900/1800/1900MHz

●SiRF III GPS chipset，high sensibility reach to GPS signals.

●Support LBS, can still track indoor subject when the GPS signal is blocked.

●Low power consumption, built-in intelligent sensor for power saving, working mode can be set by SMS.

●Quickly receive signals.

●Real-time tracking with intervals settable.

●GEO fence

●Support alarm and remote monitoring.

●Two quick dialed keys.

●Tracking through SMS and web platform.

●Tracking the moving objects by SMS.

●SOS emergency call and upload the location to the web platform.

●Support speeding alarm by SMS.

●Built-in MIC, support two-way talking.

●GPRS, SMS double channels.

●Built-in GPS flat panel active antenna, GSM FPC antenna.

●Battery replaceable，easy to charge and change.

●Light weight and portable, easy-to-hide.

IV、Parameters

GSM module	850/900/1800/1900MHz （Optional）	
GPS module	SiRF III GPS chipset	
GPS sensibility	-158dBm	
GPS frequency	L1, 1575.42 MHz	
Channels	20 channels for monitoring and tracking	
Accuracy	10 meters, 2D RMS	
Positioning time	Hot start	<2sec
	Warm start	<20sec
	Cold start	<42sec

Operation temperature	-20°～ 65° C
Humanity	5% ～ 95% Non-condensing
Battery	800 mAh
Working current	97mA
Stand by last	100h
Measurement	80×42×17.2
LED light	A. Green-GSM/Power B. Yellow-GPS

V、LED status indication

5.1 Green-GSM/power indication

Light status		indication
On	off	
3.5S	/	Initialization
0.06S	0.8S	No GSM signal
0.06S	3.0S	GSM signal receiving normal
0.06S	0.3S	GPRS data transmit
0.06S	6.0S	Dormant
3S	/	Call out
On	/	charging

5.2 Yellow-GPS status indicate

Light status		Indication
Light	dark	
flashing		GPS positioning normal
off		GPS no positioning

VI、Operation Keys

SN	Key name	Key functions
1	Power key	1.Press to power on 2.disconnect the incoming call 3.press it for 2S to call out emergency Number 3#
2	Emergency call number 2#	Press it for 2S to call emergency number 2#
3	SOS button	1．Press it for 2S to call preset emergency number 2.press to answer incoming call

VII、Functions

1、Send SMS or call the SIM card of device to get location data.

2、Real-time continuous tracking

3、Three preset phone number used as SOS alarm number, press

"SOS" key to call the set numbers directly for help, support two-way talking. Try each number 3 times in turn if failed to get connected.

4、Three preset phone numbers for incoming call, two-way talking.

5、Black list function: Only the preset alarm numbers and the set monitoring number can call in, no other numbers excluded can reach.

6、One preset phone number for monitoring, call the device with the preset number to start monitoring.

7、Speeding alarm

8、GEO-fence

9、Alarm for replacement of SIM

10、Low power alert

11、Dismantle alarm

VIII、Operation Introduction

Preparation before using

8.1 Open and check

Check whether the inside item consists to the package, and make sure all the stuff in configurations are there. If not please contact your distributor.

8.2 Charge the battery

Charge the battery no less than 2 hours before using. The Green light keeps on all the way till charging finished.

8.3 Get a SIM card

Enquire the local distributor and select a SIM card make sure it is

GSM network.

8.4 Install the SIM card

Open the back cover of the device, take out the battery=get the SIM card, keep the side with metal face down, check the direction with indication of the Sign on the SIM card, push the SIM card properly inside, put in the battery, put on the back cover, done. (The same operation as the installation a SIM card to a mobile phone)

8.5 Power on/power off

Power on: press the power key shortly, the green light-turned on for about 3S.

Power off: there is no key for power off, you have-to-take out the battery to power off.

8.6 Set the SOS emergency number and other emergency numbers. There are two methods to set:

1. Use the USB data cable and the management software.
2. Set it by SMS commands: send SMS under English input mode to the tracker SIM card number.

Here below is one command for example:

#000000,STSOS：1, 13800138000

000000：initial pass word STSOS：set SOS

"1" is for the first alarm number, there are 3 numbers can write 1-3， ":" stands for sequence of the alarm number.

"13800138888" is the alarm number.

8.7 Call SOS for help

Press the "SOS" key for 2S to call 3800138000, talk to the in-built MIC for help, meanwhile it will send the location of the

device to the called SIM card by SMS. The SOS number is also included in the preset number, so the number 13800138000 can also call in, and the device rings. Press the answer key to start to start two-way talking; press the power key to disconnect the call, once disconnected, 13800138000 will receive the location of the device.

8.8 Cancel the SOS call out

When make a SOS call press the disconnect key to cancel, resume to normal working mode.

8.9 Quick-dial

Press the emergency number 2#/power key for 2S, call emergency No2 and No3, connect to make two-way talking.

8.10 Answer an incoming call

When somebody call in the device rings up, press the "Answer" key to talk.

IX、Working modes.

9.1 Normal

The device sends data according to certain intervals which can be set by SMS commands. GPS positioning, over 5mins no movement, the device will power off the GPS communication, shut down the GPRS, system come into power saving mode. Once start to move, it will restart GPS power and GPRS communication to re-position and upload data.

9.2 In-car mode

Work the same as Normal mode, the only difference to Normal mode is the car keep moving and the GPS and GPRS keep on line all the time. This mode is especially for the tracking of moving vehicles, it is better to use vehicle power by connecting a cigarette charger.

9.3 Base mode

This mode is applicable for less precision positioning, under this mode, the GPS is power off, but use the base station information for positioning, this is the most power saving mode.

X、Positioning and Location viewing

10.1 call the SIM of the device with the preset number, hang up and get the location SMS feedback. By sending SMS commands can also get the location feedback.

10.2 Track and view the tracker location on the map, by login our website: http://gps.sinohb.com, remember to input the USER ID and Pass word,

XI、SMS settings（Under English input mode）

11.1 Set the SOS emergency number

SMS text: #000000,STSOS：1, 13800138000

000000: for initial password

STSOS：set SOS

“1” for the first emergency number，it can be “1” to “3”，stands for the first, second and third number for emergency alarm.

13800138888：the set emergency number

Press the SOS key when setting finished, call out for 13800138000, and 13800138000 can also calls in now. It rings when the device is called by preset numbers, press "answer" key to answer the phone.

11.2 Set the monitoring number

SMS text: #000000, STMONITOR：13621863258

000000: for initial password

STMONITOR：set monitor

13621863258： the monitor number

The device will send back a SMS for alert "set OK", when the number 13621863258 calls in, it will be connected automatically and the monitoring start.

11.3 Check location by SMS

SMS text: #000000, RDLOCATION

000000: initial password

RDLOCATION：read location

On receipt of the SMS command, tracker revert the location information of SMS, reads:

TID:035909402107033 9:2010-08-23 16:25:04 The device is around Huizhongmingyuan, the cross road of dengliang Rd, Nanshan District, Shenzhen city, Guangdong province. Latitude：113.917470， Longitude：22.514827

11.4 Set up alarm

#000000, STFLAG: 1111111

There are seven digits "1" in above SMS command, each stands for namely SIM card replacement alarm, speeding alarm, low power alert, emergency

alarm, monitoring, GEO fence alarm, and cover dismantling alarm.1 to enable, 0 to disable, 2 means no change.

XII、GPRS communication set up

12.1 Make sure the SIM card loaded in the tracker has open GPRS function.

12.2 Set the IP and port by SMS

SMS text: #000000, STIP:220.231.142.91,8999

After setting, GPS tracker will feedback a SMS by return, reads “set OK”.

Make sure the IP is a external network IP, and check out the server port configuration.

12.3 Set up APN

SMS text : #000000,STAPN：APN

e.g.:#000000, STAPN：CMNET

After setting, GPS tracker will feedback a SMS by return, reads “set OK”.

12.4 Set up the interval for GPRS data uploading

SMS text: #000000, STINTERVAL: XXXXX

XXXXX: interval, (unit: sec)

e.g.: #000000, STINTERVAL: 30，the tracker will upload the GPRS data every 30 seconds.

After setting, GPS tracker will feedback a SMS by return, reads “set OK”.

Note：the default interval for tracker is 30 seconds. Users have

to provide ID and SIM card number to us so that we can help you login the device onto our platform.

XIII、 SMS commands list （under English Input mode）

SMS commands			
1	Set SOS No.	#000000，STSOS：1，13800138000	SMS feedback “SET OK”
2	Read SOS No.	#000000, RDSOS	SMS feedback
3	Clear SOS No.	#000000, CLRSOS	SMS feedback
4	Read location	#000000, RDLOCATION	SMS feedback
5	Set up IP and port	#000000,STIP:222.216.76.235,8999	Receive SMS ”set OK”
6	Read IP and port	#000000,RDIP	Receive IP and port No.
7	Set APN	#000000,STAPN:CMNET	Receive SMS ”set OK”
8	Read APN	#000000,RDAPN	Receive SMS
9	Set interval	#000000,STINTERVAL:60	“Interval 60S SET OK”
10	Read interval	#000000,RDINTERVAL	SMS feedback
11	Set monitor No.	#000000,STMONITO：13800013800	SMS feedback “SET OK”
12	Read monitor No.	#000000, RDMONITOR	SMS feedback

13	Clear monitor No.	#000000, CLRMONITOR	SMS feedback
14	Read power level	#000000, RDVOLTAGE	SMS feedback
15	Set work mode: 1. normal 2. in-car 3. LBS	#000000,STWORKMODE:1	SMS feedback “SET OK”
16	Read work mode	#000000,RDWORKMODE	SMS feedback
17	Set alarm	#000000,STFLAG:1111111	SMS feedback “SET OK”
18	Read alarm	#000000,RDFLAG	SMS feedback
19	Read version number	#000000, RDVERSIONNO	SMS feedback
20	Read GPS status	#000000, RDSTATUS	SMS feedback
21	Set max speed	#000000, STMAXSPEED:100	SMS feedback “SET OK”
22	Read max speed	#000000,RDMAXSPEED	SMS feedback

XIV、Configuration List

SN	Configuration	Qty
1	Host	1 pc
2	USB cable	1 piece
3	Lithium battery	1 pc
4	Battery charger (cigarette charger optional)	1 pc
5	Warranty card	1 pc
6	Quality certificate	1 pc

Applications:

◆Vehicle renting business/out-door equipment security and tracking.

◆Businessman security

◆Management of out-working staff

◆Criminal investigation, covert tracking.

◆Security and positioning of elderly people, kids

◆Tracking of animals or pets

◆Tracking of electric cycles, motorcycles and automobile

◆Tracking of valuables

Warranty card

Name		Tel.	
Add.			
Item No.		ID No.	
Purchase on		Seller	
Store Name			
Store Add.			
Tel.			

Details for One Year Warranty:

One Year Manufacture Warranty

Within 1 year, buyers can send them back for free repair, in this case, buyers pay all the shipping fees in both sides. Which mean you should pay us the shipping fees for us to send them back to you. If buyer breaks the items and some components need to be changed, we will charge for the original value of those components.

This card is the only certificate for maintenance, please fill out this user card and take good care of it.

XV、 Maintenance Records

Maintenance Record I			
Repaired by		Item No.	
Fault description			
Maintenance			
Repair date		Repairer	

Thank you for the favor of our products.